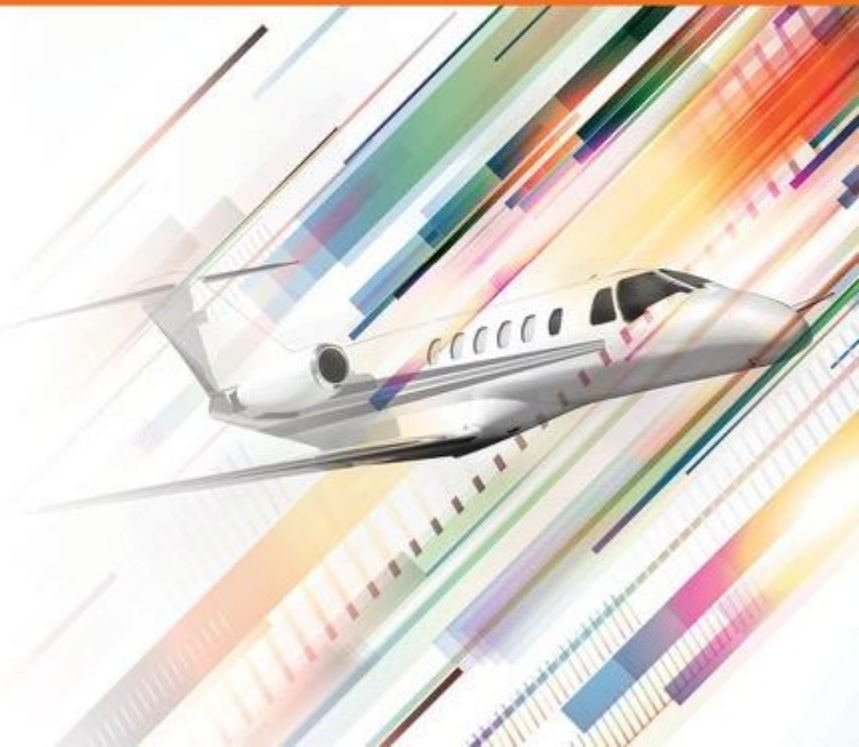
NBAA|BACE
BUSINESS AVIATION CONVENTION & EXHIBITION
OCTOBER 10-12, 2017 | LAS VEGAS, NV

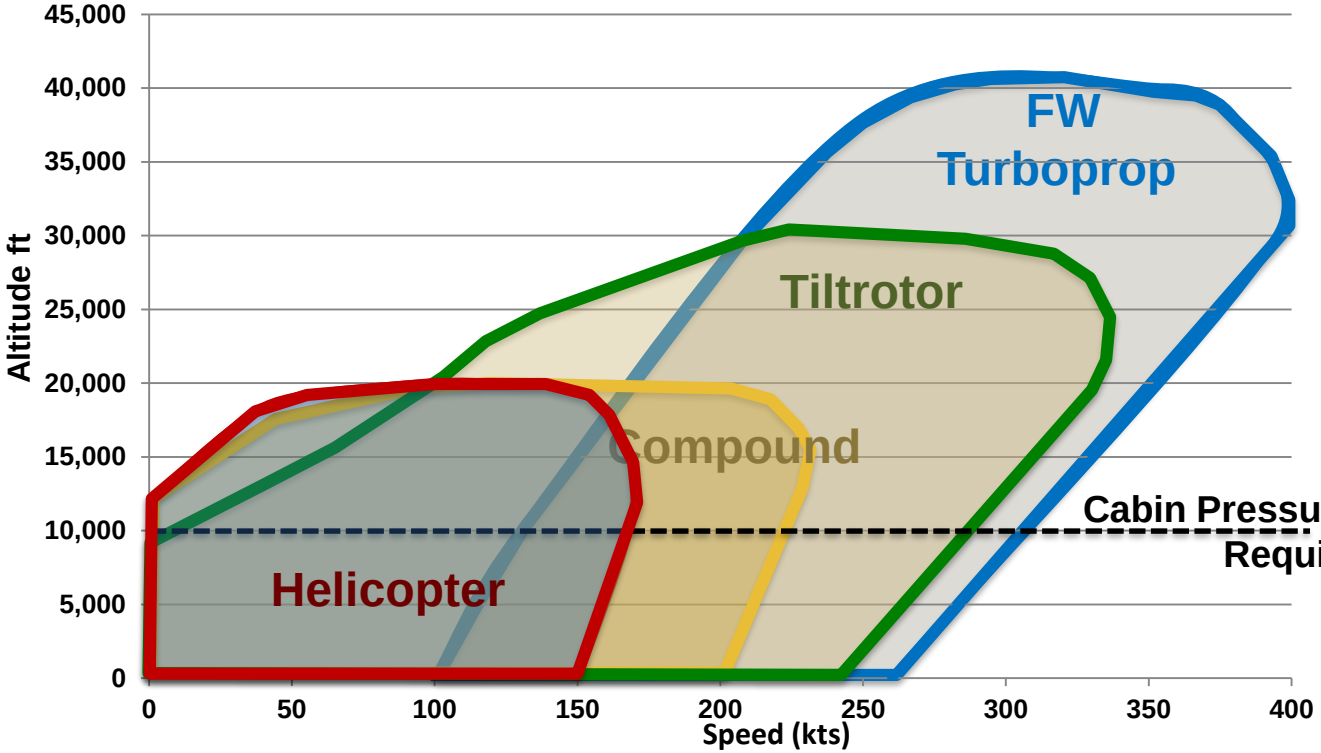
AW609: Tiltrotor Technology for Business Aviation



Wednesday October 11, 2017, 12:30PM

Bill Sunick, Leonardo Helicopters

AW609 Flight Envelope Advantage



AW609 TiltRotor

Altitude: 25,000 ft
Speed: 275 kts
Range: 700 nm (std tank)
Pressurised cabin
Full Icing

Typical Helicopter

Altitude: 10,000 ft
Speed: 140 kts
Range: 360 nm

Tiltrotor technology enables true fixed wing cruise speeds and altitudes with VTOL performance.

Design Features

Airframe

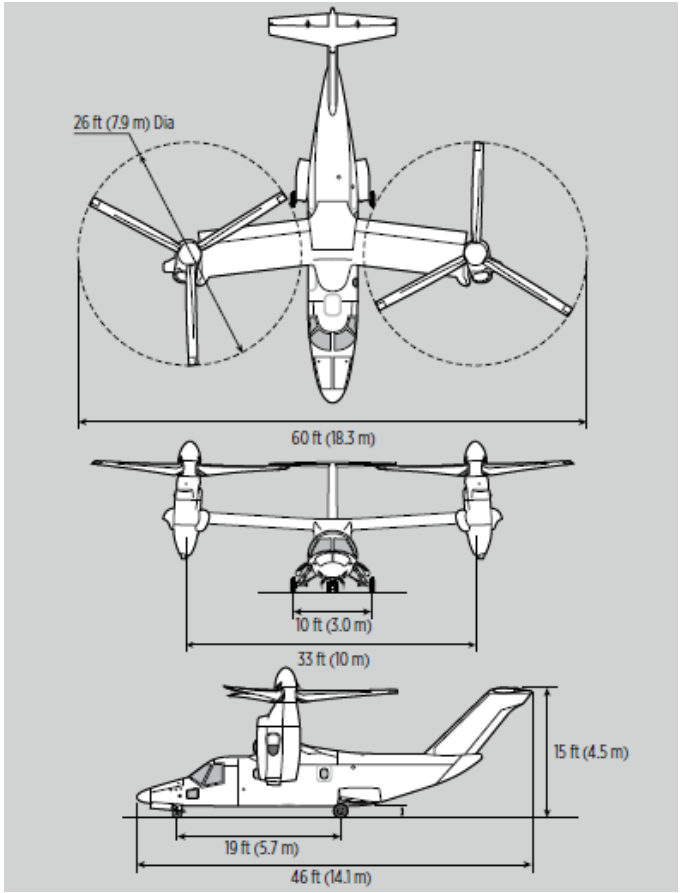
- Primarily Composite
- Pressurized Cabin
- Vapor Cycle Air Conditioning
- Rudderless

Power Plant

- 2 PWC PT6C-67A
- AEO Takeoff Power: 1,940 SHP
- OEI Power: 2,492 SHP, 30 sec

Hydraulic & Electrical

- Triplex 3,000 psi Hydraulics
- 3 DC Generators & 28Ah Battery
- 2 PMGs & 2 FCC Batteries
- 2 AC Generators



Rotor/Drive Systems

- Mechanically Interconnect Prop-Rotors
- Conversion via Dual Telescopic Ballscrews

Avionics/Flight Controls

- FCS Triplex Digital Full Authority FBW
- Rockwell Collins Fusion Avionics

Ice Protection

- Rotor Anti-ice/De-ice
- Wing & Engine Inlet De-ice Boots
- Heated Windshield

Fuel System

- 2,571 lbs in 10 Crashworthy Fuel Cells
- Aux External Tanks (~900lb)

Performance

- **MTOW: 18,000 lbs/8,000 kg**
- **Max Useful Load: 6,300 lbs/2,860 kg**
- Accommodation: 2 crew & 9 pax
- Max Cruise Speed: 275 kts
- HOGE ISA: 6,000 ft
- HIGE ISA: 10,000 ft
- Ceiling: 25,000 ft
- **Max Range (dry tank): 700nm (approx 1,000nm w/ aux fuel)**

VIP/Corporate Configuration

Point to point transit in pressurized comfort above the weather.

Range from NYC Heliport

Manhattan to Downtown Chicago in under 3 hrs !

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National Business Aviation Association 1200 G Street NW, Suite 1100 Washington, DC 20005 (202) 783-9000 www.nbaa.org

Configurations

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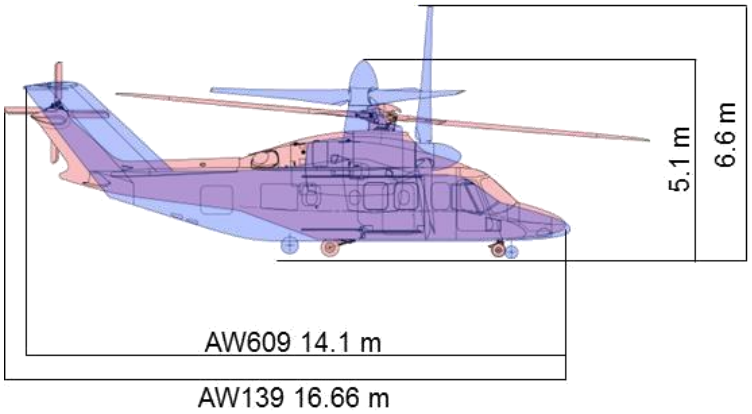
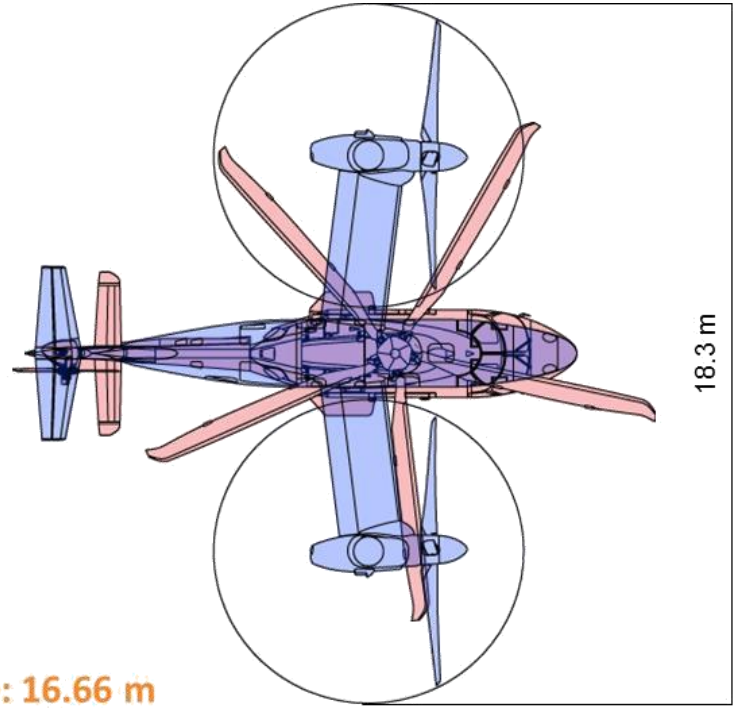
VIP

Offshore

SAR/EMS

AW139 Comparison

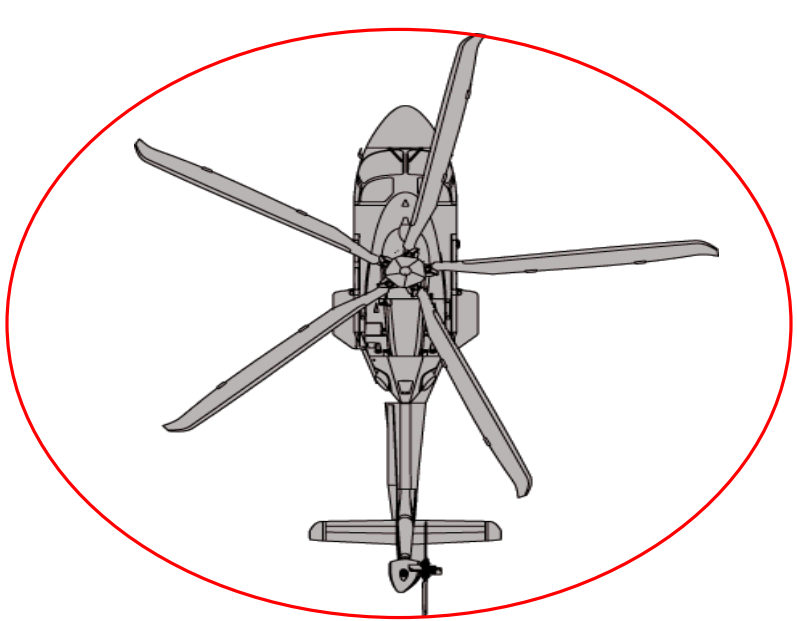


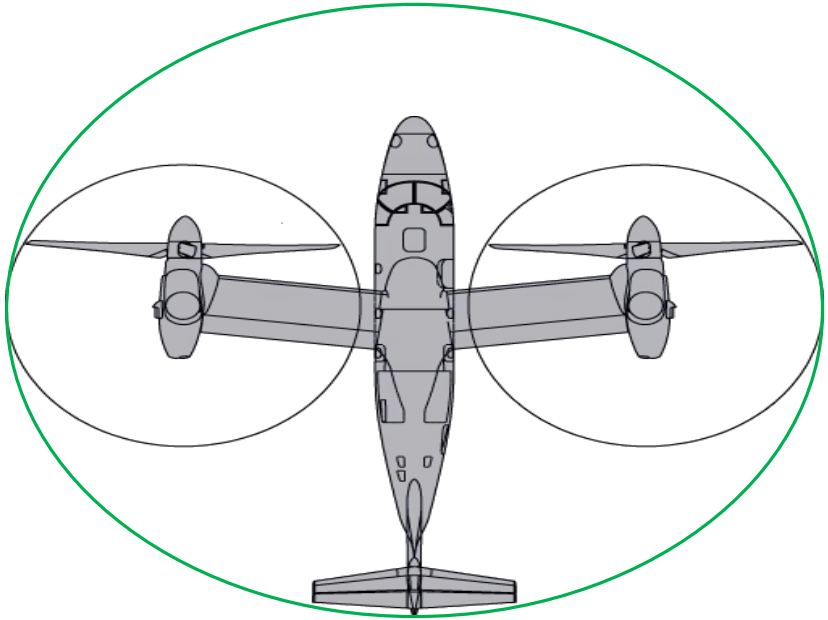


AW609 D-Value: 18.3 m **AW139 D-Value: 16.66 m**

AW609 is approximately 10% larger than AW139; Smaller than S-92

Size Comparison





Spotting factor within 10% between S-92/AW189 and AW609